

THE ASTROPHYSICAL JOURNAL LETTERS

CONTENTS OF VOLUME 399 , PART 2

1992 NOVEMBER 1, Number 1

	Page	Fiche
LATEST COBE RESULTS, LARGE-SCALE DATA, AND PREDICTIONS OF INFLATION <i>A. Kashlinsky</i>	L1	199-G1
THE IMPLICATIONS OF THE COBE DIFFUSE MICROWAVE RADIATION RESULTS FOR COSMIC STRINGS <i>David P. Bennett, Albert Stebbins, & François R. Bouchet</i>	L5	199-G7
POSSIBLE EXPLANATIONS OF THE LARGE ANGLE FLUCTUATIONS OF THE MICROWAVE BACKGROUND <i>F. Hoyle & G. Burbidge</i>	L9	200-A1
A TILTED COLD DARK MATTER COSMOLOGICAL SCENARIO <i>Renyue Cen, Nikolay Y. Gnedin, Lev A. Kofman, & Jeremiah P. Ostriker</i>	L11	200-A5
EVIDENCE AGAINST SOME ORIENTATION EFFECTS IN RADIO-QUIET QUASARS <i>Todd A. Boroson</i>	L15	200-A11
SUBMILLIMETER OBSERVATIONS OF RADIO-QUIET QUASARS AND A LUMINOUS SEYFERT 1 GALAXY INCLUDING THE FIRST DETECTIONS <i>Richard Barvainis, Robert Antonucci, & Paul Coleman</i>	L19	200-B1
RADIATION-PRESSURE-SUPPORTED OBSCURING TORI AROUND ACTIVE GALACTIC NUCLEI <i>Edward A. Pier & Julian H. Krolik</i>	L23	200-B8
NORMAL O STARS IN DENSE MEDIA GENERATE LINERS <i>Joseph C. Shields</i>	L27	200-C1
MERGING AND FAST GALAXY EVOLUTION <i>R. G. Carlberg</i>	L31	200-C7
ANGULAR CORRELATION FUNCTION OF FAINT GALAXIES <i>C. J. Pritchet & L. Infante</i>	L35	200-C13
LYMAN-ALPHA EMISSION IN STAR-FORMING GALAXIES: LOW-REDSHIFT COUNTERPARTS OF PRIMEVAL GALAXIES? <i>D. Calzetti & A. L. Kinney</i>	L39	200-D5
M31: A UNIQUE LABORATORY FOR GRAVITATIONAL MICROLENSING <i>Arlin P. S. Crotts</i>	L43	200-D11
HOW OLD IS THE $z = 3.4$ RADIO GALAXY B2 0902+34 <i>Peter Eisenhardt & Mark Dickinson</i>	L47	200-E4
A MODEL FOR RING GALAXIES: ARP 147-LIKE SYSTEMS <i>Richard A. Gerber, Susan A. Lamb, & Dinshaw S. Balsara</i>	L51	200-E10
HIGH SPATIAL RESOLUTION CONTINUUM AND H α IMAGING OF THE HIGH-REDSHIFT IRAS SOURCE FSC 10214+4724 <i>B. T. Soifer, G. Neugebauer, K. Matthews, C. Lawrence, & J. Mazzarella</i>	L55	200-F1
DISCOVERY OF A SYNCHROTRON-EMITTING HALO AROUND NGC 253 <i>C. L. Carilli, M. A. Holdaway, P. T. P. Ho, & C. G. De Pree</i>	L59	200-F8
POLARIZATION OF THE FAR-INFRARED EMISSION FROM THE THERMAL FILAMENTS OF THE GALACTIC CENTER ARC <i>M. Morris, J. A. Davidson, M. Werner, J. Dotson, D. F. Figer, R. Hildebrand, G. Novak, & S. Platt</i>	L63	200-G6
EXTINCTION AND SCATTERING IN THE ORION NEBULA: COMPARISON OF OPTICAL AND VLA 21 CENTIMETER STUDIES <i>C. R. O'Dell, Donald K. Walter, & Reginald J. Dufour</i>	L67	200-G12

	Page	Fiche
ON THE MOLECULAR COMPLEXITY OF THE HOT CORES IN ORION A: GRAIN SURFACE CHEMISTRY AS "THE LAST REFUGE OF THE SCOUNDREL" <i>S. B. Charnley, A. G. G. M. Tielens, & T. J. Millar</i>	L71	201-A8
ELECTRON ACCELERATION IN TYCHO'S AND KEPLER'S SUPERNOVA REMNANTS: SPECTRAL EVIDENCE OF FERMI SHOCK ACCELERATION <i>Stephen P. Reynolds & Donald C. Ellison</i>	L75	201-B1
METHANOL ICE IN THE PROTOSTAR GL 2136 <i>C. J. Skinner, A. G. G. M. Tielens, M. J. Barlow, & K. Justtanont</i>	L79	201-B7
TWO NEW LITHIUM-DEFICIENT POPULATION II DWARFS <i>J. A. Thorburn</i>	L83	201-B13
TWO-STAGE STARBURST IN THE LARGE MAGELLANIC CLOUD: NII AS A ONCE AND FUTURE 30 DORADUS <i>Nolan R. Walborn & Joel Wm. Parker</i>	L87	201-C5
THE CASE OF G226-29: EVIDENCE FOR A PULSATING DA WHITE DWARF WITH A THICK HYDROGEN LAYER? <i>G. Fontaine, P. Brassard, P. Bergeron, & F. Wesemael</i>	L91	201-C13
PLANETS IN GLOBULAR CLUSTERS? <i>Steinn Sigurdsson</i>	L95	201-D5
EVIDENCE FOR TRANSONIC FLOWS IN THE SOLAR GRANULATION <i>A. Nesis, T. J. Bogdan, F. Cattaneo, A. Hansmeier, M. Knölker, & A. Malagoli</i>	L99	201-D10
LABORATORY MEASUREMENT OF THE MILLIMETER AND SUBMILLIMETER WAVE SPECTRUM OF C ₂ H ₂ <i>M. Boge, M. Cordonnier, C. Demuyne, & J. L. Destombes</i>	L103	201-E3
ERRATUM		
CROSS-CORRELATION OF THE X-RAY BACKGROUND WITH NEARBY GALAXIES <i>Keith Jahoda, Ofer Lahav, Richard F. Mushotzky, & Elihu Boldt</i>	L107	201-E8
INSTRUCTIONS TO AUTHORS OF LETTERS, RECENT LETTERS ABSTRACTS, AUTHOR AND SUBJECT INDEXES		Inside Back Cover

1992 NOVEMBER 10, Number 2

	Page	Fiche
GALAXIES AND GAS IN A COLD DARK MATTER UNIVERSE <i>Neal Katz, Lars Hernquist, & David H. Weinberg</i>	L109	207-F1
GALAXY FORMATION AND PHYSICAL BIAS <i>Renyue Cen & Jeremiah P. Ostriker</i>	L113	207-F7
FORMATION OF SHELLS IN MAJOR MERGERS <i>Lars Hernquist & David N. Spergel</i>	L117	207-G1
OBSERVATIONS OF Zn II, Cr II, Fe II, AND Ca II IN THE DAMPED LYMAN-ALPHA ABSORBER AT $z = 0.692$ TOWARD 3C 286 <i>David M. Meyer & Donald G. York</i>	L121	207-G7
AN ARC SYSTEM WITH A RADIAL GRAVITATIONAL IMAGE IN THE CLUSTER MS 2137-23 <i>B. Fort, O. Le Fevre, F. Hammer, & M. Cailloux</i>	L125	208-A1
HARD X-RAY EMISSION FROM A NARROW-LINE RADIO GALAXY IC 5063 AND OBSCURED ACTIVE NUCLEUS <i>Katsuji Koyama, Hisamitsu Awaki, Kazushi Iwasawa, & Martin J. Ward</i>	L129	208-A9
THE YOUNG LARGE MAGELLANIC CLOUD CLUSTER NGC 2214 WITH A SINGLE SUPERGIANT BRANCH <i>Myung Gyoan Lee</i>	L133	208-B1
ORIENTED SCINTILLATION SPECTROMETER EXPERIMENT OBSERVATIONS OF ⁵⁷ Co IN SN 1987A <i>J. D. Kurfess, W. N. Johnson, R. L. Kinzer, R. A. Kroeger, M. S. Strickman, J. E. Grove, M. D. Leising, D. D. Clayton, D. A. Grabelsky, W. R. Purcell, M. P. Ulmer, R. A. Cameron, & G. V. Jung</i>	L137	208-B7
THE ⁵⁷ Co ABUNDANCE IN SN 1987A <i>Donald D. Clayton, Mark D. Leising, Lih-Sin The, W. N. Johnson, & J. D. Kurfess</i>	L141	208-C1

CONTENTS

v

	Page	Fiche
EVIDENCE FOR A BLACK HOLE IN THE X-RAY BINARY NOVA MUSCAE 1991 <i>Ronald A. Remillard, Jeffrey E. McClintock, & Charles D. Bailyn</i>	L145	208-C7
G308.8-0.1: AN UNUSUAL SUPERNOVA REMNANT CONTAINING A SHORT-PERIOD PULSAR, PSR J1341-6220 <i>J. L. Caswell, M. J. Kesteven, R. T. Stewart, D. K. Milne, & R. F. Haynes</i>	L151	208-D1
PSR J1341-6220: A YOUNG PULSAR IN A SUPERNOVA REMNANT <i>Victoria M. Kaspi, R. N. Manchester, Simon Johnston, A. G. Lyne, & N. D'Amico</i>	L155	208-D5
FIRST RESULTS FROM ROSAT ALL-SKY SURVEY OBSERVATIONS OF THE HYADES CLUSTER <i>Robert A. Stern, Jürgen H. M. M. Schmitt, Cristina Rosso, John P. Pye, Simon T. Hodgkin, & John R. Stauffer</i>	L159	208-D9
COOL MASS-LOSING BOUNDARY LAYERS OF T TAURI ACCRETION DISKS <i>Claude Bertout & Oded Regev</i>	L163	208-E1
BAND SPLITTING IN SOLAR TYPE II RADIO BURSTS <i>R. A. Treumann & J. LaBelle</i>	L167	208-E7
INSTRUCTIONS TO AUTHORS OF <i>LETTERS</i> , RECENT <i>LETTERS</i> ABSTRACTS, AUTHOR AND SUBJECT INDEXES		<i>Inside Back Cover</i>